

A PRELIMINARY CHECK LIST OF THE FLORA OF INHACA ISLAND, MOÇAMBIQUE: BASED ON THE COLLECTION OF A. O. D. MOGG

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ABSTRACT

A check list of approximately 580 flowering plants and ferns collected on the island of Inhaca off Maputo, Moçambique, is given.

UITTREKSEL

'N VOORLOPIGE KONTROLELYS VAN DIE FLORA VAN INHACA-EILAND, MOSAMBIEK: GEBASEER OP DIE VERSAMELING VAN A. O. D. MOGG

'n Kontrolelys van ongeveer 580 blomplante en varings wat op die eiland Inhaca naby Maputo, Mosambiek, versamel is, word aangebied.

INTRODUCTION

Inhaca Island, 11 km by 6 km, is narrowly separated from the mainland of Africa. Together with Inhaca Peninsula, it forms the eastern arm of what is commonly known as Delagoa Bay. Small adjacent islands have also been included in this study. History, geography and biology have been described by Macnae, Kalk *et al.* (1958). Of particular interest to biologists are mangrove swamps and the extensive shallow sand flats on the sheltered west coast which provide a suitable environment for a number of marine angiosperms.

During past years, the interesting fauna and flora of Inhaca attracted many scientists including several groups from the University of the Witwatersrand. In the course of these visits a plant collection was made which is now housed in the Moss Herbarium. The chief collector was Dr A. O. D. Mogg.

There are still some species which have been poorly or inadequately collected. The political situation at present prevents further visits to the island. It has not been possible for the authors to re-collect critical species or to study living material in situ, but it was nevertheless decided to publish information already available as a preliminary check list hoping that it would be of value to those who have visited Inhaca in the past and as a basis for further work some time in the future. The list compiled by Mogg in Macnae, Kalk *et al.* (1958) is incomplete and now out of date.

A few species not present in the Moss Herbarium but which have been encountered in other herbaria have been included. With regard to contentious

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generic limits as in *Loranthus* and *Asclepias* and in Cyperaceae, the treatment of Dyer (1975 and 1976) has been followed.

Introduced species have been listed if they have become naturalised. *Casuarina equisetifolia* Forst. has been planted to stabilise sand dunes but it is not included.

It is interesting to note that a high proportion of the species listed here also occurs in Natal (Ross, 1972), particularly in Tongaland.

ACKNOWLEDGEMENTS

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As the resources of the Moss Herbarium are limited with regard to the area of study, much help was received from the Botanical Research Institute, Pretoria, Natal University Herbarium, Pietermaritzburg and the Government Herbarium, Salisbury. We thank the staff of these institutions for their assistance.

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PTERIDOPHYTA

PSILOACEAE

Psilotum nudum (L.) Beauv.

OPHIOGLOSSACEAE

Ophioglossum polyphyllum A. Braun

MARSILEACEAE

Marsilea sp.

DENNSTAEDTIACEAE

Pteridium aquilinum (L.) Kuhn

ADIANTACEAE

Acrostichum aureum L.

Pellaea viridis (Forsk.) Prantl var.

POLYPODIACEAE

Phymatodes scolopendria (Burm.f.) Ching

Microgramma lycopodioides (L.) Copel.

ASPLENIACEAE

Asplenium aethiopicum (Burm.f.) Becherer

THELYPTERIDACEAE

Thelypteris sp. probably *T. gueinziana* (Mett.) Schelpe

T. totto (Thunb.) Schelpe

SPERMATOPHYTA

GYMNOSPERMAE

ZAMIACEAE

Encephalartos ferox Bertol.f.

ANGIOSPERMAE

MONOCOTYLEDONAE

TYPHACEAE

Typha latifolia L. subsp. *capensis* Rohrb. sensu PRE

ZOSTERACEAE

Zostera capensis Setchell

ZANNICHELLIACEAE

Cymodocea rotundata Ehrenb. & Hempr. ex Aschers.

C. serrulata (R.Br.) Aschers. & Magnus
Syringodium isoetifolium (Aschers.) Dandy
Thalassodendron ciliatum (Forsk.) den Hartog

Halodule uninervis (Forsk.) Aschers.

H. wrightii Aschers.

JUNCAGINACEAE

Triglochin striata Ruiz & Pavon

ALISMATACEAE

Limnophyton obtusifolium (L.) Miq.

HYDROCHARITACEAE

Halophila ovalis (R.Br.) Hook.f. subsp. *ovalis*

H. ovalis (R.Br.) Hook.f. subsp. *linearis* (den Hartog) den Hartog

Thalassia hemprichii (Ehrenb.) Aschers.

Ottelia ulvifolia (Planch.) Walp.

POACEAE (Gramineae)

Imperata cylindrica (L.) Beauv.

Ischaemum arcuatum (Nees) Stapf

I. afrum (Gmel.) Dandy

Urelytrum squarrosus Hack.

Hemarthria altissima (Poir.) Stapf & Hubb.

Andropogon eucomis Nees

A. huillensis Rendle

Cymbopogon validus Stapf ex Burt Davy

Hyperthelia dissoluta (Nees ex Steud.) W.D.Clayton

Themeda triandra Forsk.

Perotis patens Gand.

Paspalum vaginatum Swartz

Panicum chusqueoides Hack.

P. deustum Thunb.

P. maximum Jacq.

P. subflabellatum Stapf

P. volutans J.G.Anders.

Urochloa mosambicensis (Hack.) Dandy

Brachiaria deflexa (Schumach.) C.E.Hubb. ex Robyns (sometimes placed under *Pseudobrachiaria deflexa* (Schumach.) Launert)

B. humidicola (Rendle) Schweick.

Sacciolepis curvata (L.) Chase

Digitaria abyssinica (Hochst. ex A.Rich.) Stapf

D. argyrotricha (Anderss.) Chiov.

Digitaria eriantha Steud.

D. gymnostachys Pilg.

D. longiflora (Retz.) Pers.

D. macroglossa Henr.

D. pentzii Stent

D. perrottetii (Kunth) Stapf

Tricholaena monachne (Trin.) Stapf & Hubb.

Rhynchelytrum repens (Willd.) C.E.Hubb.

Cenchrus biflorus Roxb.

C. incertus Curtis

Stenotaphrum secundatum (Walt.) Kuntze

Aristida barbicollis Trin. & Rupr.

A. stipitata Hack. var. *graciliflora* (Pilg.) de Wint.

Sporobolus subtilis Kunth

S. virginicus (L.) Kunth

S. sp.

Cynodon dactylon (L.) Pers.

Chloris virgata Swartz

Dinebra retroflexa (Vahl) Panz.

Dactyloctenium aegyptium (L.) Willd.

D. australe Steud.

D. geminatum Hack.

Schmidtia pappophoroides Steud.

Triraphis schinzii Hack.

Fingerhuthia africana Lehm.

Phragmites australis (Cav.) Trin. ex Steud.

Diplachne fusca (L.) Stapf

Eragrostis capensis (Thunb.) Trin.

E. chapelieri (Kunth) Nees

E. ciliaris (L.) R.Br.

E. heteromera Stapf

E. lappula Nees

E. moggii de Wint. var. *moggii*

E. moggii de Wint. var. *contracta* de Wint.

E. superba Peyr.

E. sp. aff. E. barrellieri Dav.

Megastachya mucronata (Poir.) Beauv.

CYPERACEAE

Lipocarpa paradoxa Cherm. (or *Mariscus paradoxus* (Cherm.) Cherm.)

Cyperus articulatus L.

C. immensus C.B.Cl.

C. margaritaceus Vahl

C. maritimus Poir.

C. natalensis Hochst. ex Krauss

C. obtusiflorus Vahl

C. papyrus L.

C. prolifer Lam.

C. sphacelatus Rottb. sens. lat.

C. sphaerospermus Schrad.

C. tenax Boeck.

Pycereus nitidus (Lam.) J.Raynal

P. pelophilus (Ridl.) C.B.C1.
P. polystachyos (Rottb.) Beauv.
Mariscus dubius (Rottb.) Hutch. (NOTE:
 The genus *Mariscus* is at present under
 revision)
 Probably *Mariscus macrocarpus* (Boeck.)
 Kunth
Mariscus thunbergii (Vahl) Schrad. sens.
 lat.
Fuirena microlepis sensu C.B.C1. in
 Thiselton-Dyer, Fl. Cap. 7: 262 (1898) et
 Illus. Cyp.:t. 59,2 (1909) non Kunth
F. umbellata Rottb.
Eleocharis dulcis (Burm.f.) Henschel
Fimbristylis complanata (Retz.) Link
F. ferruginea (L.) Vahl
F. obtusifolia (Lam.) Kunth
F. triflora (L.) K. Schum.
Bulbostylis contexta (Nees) Bodard
Cladium mariscus (L.) Pohl
 ? *Rhynchospora mauritii* Steud. (one very
 poor specimen)

ARECACEAE (Palmae)

Phoenix reclinata Jacq.

ARACEAE

Zamioculcas zamiifolia (Lodd.) Engl.
Gonatopus rhizomatosus Bogner & Oberm.
Stylochiton natalensis (Sond.) Schott

LEMNACEAE

Lemna perpusilla Torrey
Wolffipopsis welwitschii (Hegelm.) den Har-
 tog & van der Plas

XYRIDACEAE

Xyris anceps Lam.

COMMELINACEAE

Commelina diffusa Burm.f.
C. erecta L. subsp. *erecta*
C. erecta L. subsp.
C. forskalaei Vahl
Aneilema sp.
Coleotrype natalensis C.B.C1

JUNCACEAE

Juncus kraussii Hochst.

LILIACEAE

Gloriosa superba L.
Bulbine sp. ? *B. asphodeloides* (L.) Roem.
 & Schult. (inadequate material, fruits not
 seen)

Eriospermum sp. ? *E. luteo-rubrum* Bak.
 (inadequate material, basal parts not seen)
Aloe arborescens Mill.
A. bainesii Th. Dyer
A. parvibracteata Schönl.
Dipcadi viride (L.) Moench
Eucomis autumnalis (Mill.) Chitt. var.
clavata (Bak.) Reyneke ined.
E. pallidiflora Bak. var. *pole-evansii*
 (N.E.Br.) Reyneke ined.
Ornithogalum tenuifolium Delaroché
Drimiopsis maculata Lindl.
Ledebouria sp. cf. *L. apertiflora* (Bak.) Jes-
 sop
Asparagus africanus Lam.
A. densiflorus (Kunth) Jessop
A. falcatus L. var. *falcatus*
A. falcatus L. var. *ternifolius* (Bak.) Jessop
A. setaceus (Kunth) Jessop

AGAVACEAE

Sansevieria hyacinthoides (L.) Druce
S. sp.

SMILACACEAE

Smilax kraussiana Meisn.

AMARYLLIDACEAE

Scadoxus puniceus (L.) Friis & Nordal
Crinum delagoense Verdoorn

HYPOXIDACEAE

Hypoxis spp.

DIOSCOREACEAE

Dioscorea crinita Hook.f.
D. sylvatica (Kunth) Eckl.

IRIDACEAE

Dietes vegeta (L.) N.E.Br.
Tritonia moggii Oberm.
Gladiolus dalenii van Geel
Anomatheca grandiflora Bak.
A. laxa (Thunb.) Goldblatt

ORCHIDACEAE

Bonatea pulchella Summerh.
B. speciosa (L.f.) Willd.
B. steudneri (Reichb. f.) Dur. & Schinz
Satyrium sphaerocarpum Lindl.
Vanilla roscheri Reichb.f.
 ? *Liparis* sp. (one very poor specimen)
Eulophia cucullata (Afzel. ex Swartz)
 Steud.

? *E. leachii* Greatrex ex Hall
E. petersii Reichb.f.
E. speciosa (R.Br. ex Lindl.) Bol.
Eulophidium tainioides (Schltr.) Summerh.
Solenangis aphylla (Thou.) Summerh.
Aërangis mystacidii (Reichb.f.) Schltr.
Cyrtorchis arcuata (Lindl.) Schltr. subsp.
 arcuata

DICOTYLEDONAE

ULMACEAE

Trema orientalis (L.) Blume
Chaetacme aristata E.Mey. ex Planch.

MORACEAE

Maclura africana (Bur.) Corner
Ficus capensis Thunb.
F. natalensis Hochst. sens. lat.
F. sansibarica Warb.
F. sycomorus L.
F. tremula Warb.
F. vogelii (Miq.) Miq.

URTICACEAE

Laportea peduncularis (Wedd.) Chew

LORANTHACEAE

Loranthus bolusii Sprague
L. dregei Eckl. & Zeyh.
L. sp.
Viscum tuberculatum A.Rich.

SANTALACEAE

Thesium sp.

OLACACEAE

Olax dissitiflora Oliv.
Ximenia caffra Sond.

POLYGONACEAE

Polygonum salicifolium Willd.
P. sp. cf. *P. pulchrum* Blume
Oxygonum delagoense Kuntze
Antigonon leptopus Hook. & Arn.

CHENOPODIACEAE

Chenopodium sp. (material very young)
Chenolea diffusa Thunb.
Arthrocnemum decumbens Toelken
A. natalense (Bunge ex Ung-Sternb.) Moss
Salicornia pachystachya Bunge ex Ung-Sternb.

AMARANTHACEAE

Amaranthus spinosus L.
A. thunbergii Moq.
Cyathula sp. ? near *C. spathulifolia* Lopr.
Pupalia lappacea (L.) A.L.Juss.
Psilotrichum africanum Oliv.
Achyranthes aspera L.

NYCTAGINACEAE

Boerhavia diffusa L. var. *diffusa*

AIZOACEAE

Limeum fenestratum (Fenzl) Heim.
L. viscosum (J. Gay) Fenzl subsp. *viscosum*
 var. *kraussii* Friedr.
Gisekia pharnaceoides L.
Glinus oppositifolius (L.) DC.
Sesuvium portulacastrum (L.) L.

MESEMBRYANTHEMACEAE

Carpobrotus dimidiatus (Haw.) L.Bol.

PORTULACACEAE

Portulacaria afra Jacq.
Portulaca quadrifida L.

CARYOPHYLLACEAE

Krauseola mosambicina (Moss) Pax &
 K.Hoffm.
Polycarpaea corymbosa (L.) Lam.

ILLECEBRACEAE

Pollichia campestris Ait.

NYMPHAEACEAE

Nymphaea capensis Thunb.

CERATOPHYLLACEAE

Ceratophyllum sp.

MENISPERMACEAE

Cissampelos hirta Klotzsch
Tiliacora funifera (Miers) Oliv.
Tinospora caffra (Miers) Troupin
Epinetrum delagoense (N.E.Br.) Diels

ANNONACEAE

Uvaria caffra E. Mey. ex Sond.
Monanthotaxis caffra (Sond.) Verdc.
Artabotrys monteiroae Oliv.
Annona senegalensis Pers.

LAURACEAE

Cassytha filiformis L.

BRASSICACEAE (Cruciferae)

Lepidium africanum (Burm.f.) DC. sens. lat.

CAPPARACEAE

Cleome angustifolia Forsk. subsp. *petersiana* (Klotzsch ex Sond.) Kers

C. macrophylla (Klotzsch) Briq.

C. monophylla L.

C. stricta (Klotzsch) R.A. Graham

Cladostemon kirkii (Oliv.) Pax & Gilg

Capparis brassii DC.

C. fascicularis DC. var. *fascicularis*

C. sepiaaria L. var. *citrifolia* (Lam.) Toelken

C. tomentosa Lam.

Maerua angolensis DC.

M. nervosa (Hochst.) Oliv.

CRASSULACEAE

Kalanchoe paniculata Harv.

K. sp.

Crassula alba Forsk. var. *alba*

C. expansa Ait.

C. ovata (Mill.) Druce

BREXIIACEAE

Brexia madagascariensis (Lam.) Ker-Gawl.

LEGUMINOSAE

Albizia adianthifolia (Schumach.) W.F. Wight

A. forbesii Benth.

A. versicolor Welw. ex Oliv.

Acacia karroo Hayne

A. kraussiana Meisn. ex Benth.

Dichrostachys cinerea (L.) Wight & Arn. subsp.

Elephantorrhiza elephantina (Burch.) Skeels

Entada schlechteri (Harms) Harms

Dialium schlechteri Harms

Cassia occidentalis L.

C. sp. nrst. C. quarrei (Ghesq.) Steyaert

Caesalpinia bonduc (L.) Roxb.

Cordyla africana Lour.

Sophora inhambanensis Klotzsch

Crotalaria capensis Jacq.

C. laburnoides Klotzsch

C. lanceolata E.Mey. subsp. *lanceolata*

C. monteiroi Taub. ex Bak.f.

C. pallida Ait. var. *pallida*

C. vasculosa Benth.

Indigofera charlierana Schinz

I. inhambanensis Klotzsch

I. laxiracemosa Bak.f.

I. podophylla Benth. ex Harv.

I. spicata Forsk.

Tephrosia forbesii Bak. subsp. *inhacensis* Brummitt

T. longipes Meisn. subsp. *longipes* var. *icosisperma* Brummitt

T. lupinifolia DC.

T. purpurea (L.) Pers. subsp. *canescens* (E.Mey.) Brummitt var.

Sesbania sesban (L.) Merr. subsp. *sesban* var. *nubica* Chiov.

Aeschynomene micrantha DC.

A. sp.

Stylosanthes fruticosa (Retz.) Alston

Zornia capensis Pers.

Desmodium dregeanum Benth.

Alysicarpus vaginalis (L.) DC.

Dalbergia obovata E.Mey.

Derris trifoliata Lour.

Lathyrus sp. ? L. sativus L.

Abrus precatorius L. subsp. *africanus* Verdc.

A. sp.

Erythrina caffra Thunb.

Canavalia sp. ? C. rosea (Swartz) DC.

Cajanus cajan (L.) Millsp.

Rhynchosia caribaea (Jacq.) DC.

R. minima (L.) DC.

R. totta (Thunb.) DC.

Eriosema parviflorum E.Mey.

E. psoraleoides (Lam.) G. Don

Vigna spp.

Dolichos spp. These difficult genera need further study in depth.

Decorsea schlechteri (Harms) Verdc.

Macrotyloma axillare (E.Mey.) Verdc.

Lablab purpureus (L.) Sweet subsp. *uncinatus* Verdc.

GERANIACEAE

Pelargonium grossularioides (L.) Ait.

OXALIDACEAE

Oxalis semiloba Sond.

ERYTHROXYLACEAE

Erythroxylum emarginatum Thonn.

ZYGOPHYLLACEAE

Tribulus terrestris L.

BALANITACEAE

Balanites maughamii Sprague

RUTACEAE

Fagara schlechteri Engl.

Vepris undulata (Thunb.) Verdoorn & C.A.Sm.

Clausena anisata (Willd.) Hook.f. ex Benth.

BURSERACEAE

Commiphora neglecta Verdoorn

C. schlechteri Engl.

MELIACEAE

Xylocarpus granatum Koen

Melia azedarach L. Introduced

Trichilia emetica Vahl

MALPIGHIACEAE

Acridocarpus natalitius Adr. Juss. var. *natalitius*

POLYGALACEAE

Polygala capillaris E.Mey. ex Harv.

P. producta N.E.Br.

P. uncinata E.Mey. ex Meisn.

EUPHORBIACEAE

? *Heywoodia lucens* Sim (insufficient material)

Phyllanthus delagoensis Hutch. sensu PRE (some plants have 5 stamens + free filaments)

P. reticulatus Poir.

Drypetes natalensis (Harv.) Hutch.

Hymenocardia ulmoides Oliv.

Antidesma venosum E.Mey. ex Tul.

Cleistanthus schlechteri (Pax) Hutch.

Bridelia cathartica Bertol. f.

Croton pseudopulchellus Pax

Acalypha sp. ? *A. petiolaris* Hochst.

Tragia okanyua Pax

T. sp.

Dalechampia sp.

Ricinus communis L.

Suregada zanzibariensis Baill.

Sapium integerrimum (Hochst.) J.Leon.

Euphorbia heterophylla L.

E. hirta L.

E. tirucalli L.

E. triangularis Desf.

Synadenium sp.

Monadenium lugardae N.E.Br.

ANACARDIACEAE

Sclerocarya caffra Sond.

Lannea stuhlmannii (Engl.) Engl. var. *stuhlmannii*

Ozoroa obovata (Oliv.) R. & A. Fernandes var. *obovata*

Rhus microcarpa Schonl.

R. natalensis Bernh. ex Krauss

CELASTRACEAE

Maytenus procumbens (L.f.) Loes.

M. undata (Thunb.) Blakelock

Mystroxydon aethiopicum (Thunb.) Loes.

The name *Cassine aethiopica* Thunb. is upheld for this sp. in Pretoria

Hippocratea sp. ? *H. delagoensis* Loes.

Salacia kraussii (Harv.) Harv.

ICACINACEAE

Apodytes dimidiata E.Mey. ex Arn. subsp. *dimidiata*

SAPINDACEAE

Allophyllus natalensis (Sond.) de Wint.

Deinbollia oblongifolia (E.Mey.) Radlk.

Dodonaea viscosa Jacq.

RHAMNACEAE

Scutia myrtina (Burm.f.) Kurz

Colubrina asiatica (L.) Brongn.

VITACEAE

Rhoicissus revoli Planch.

Cissus integrifolia (Bak.) Planch.

C. quadrangularis L.

C. sp.

Cyphostemma sp.

TILIACEAE

Corchorus trilocularis L.

Grewia caffra Meisn.

G. occidentalis L.

Triumfetta pilosa Roth. var. *effusa* (E.Mey.)

ex Harv.) Wild

T. rhomboidea Jacq.

MALVACEAE

Abutilon grantii Meeuse

Sida acuta Burm. f.

S. cordifolia L.

Pavonia leptocalyx (Sond.) Ulbr.

P. procumbens (Wight & Arn.) Walp.

Hibiscus cannabinus L.

H. diversifolius Jacq. subsp. *rivularis*
(Brenk. & Oberm.) Exell

H. schinzii Guerke.

H. surattensis L.

H. tiliaceus L.

H. trionum L.

Thespesia acutiloba (Bak.f.) Exell & Mendonca.

Gossypium herbaceum L. var. *africanum*
(Watt) Hutch. & Ghose

STERCULIACEAE

Melhaniea forbesii Planch. ex Mast. (or possibly ? *M. acuminata* Mast. x *M. forbesii* Planch. ex Mast. vide Wild in Fl. Zam. 1 (2): 533 (1961))

Hermannia micropetala Harv.

Waltheria indica L.

OCHNACEAE

Ochna barbosae N. Robson

O. natalitia (Meisn.) Walp.

CLUSIACEAE (Guttiferae)

Garcinia livingstonei T. Anders.

FLACOURTIACEAE

Xylothea kraussiana Hochst.

Scolopia zeyheri (Nees) Harv.

Dovyalis longispina (Harv.) Warb.

Casearia gladiiformis Mast.

PASSIFLORACEAE

Adenia digitata (Harv.) Engl.

A. gummifera (Harv.) Harms

CACTACEAE

Opuntia sp. Introduced

THYMELAEACEAE

Gnidia denudata Lindl.

Synaptolepis kirkii Oliv.

LYTHRACEAE

Ammannia sp. ? *A. baccifera* L.

Galpinia transvaalica N.E.Br.

LECYTHIDACEAE

Barringtonia racemosa (L.) Spreng.

RHIZOPHORACEAE

Ceriops tagal (Perr.) C.B. Robinson

Rhizophora mucronata Lam.

Bruguiera gymnorhiza (L.) Lam.

COMBRETACEAE

Pteleopsis myrtifolia (Laws.) Engl. & Diels

Terminalia sericea Burch. ex DC.

Lumnitzera racemosa Willd.

MYRTACEAE

Psidium guajava L. Escaped from cultivation

Eugenia sp.

Syzygium cordatum Hochst.

A few *Eucalyptus* spp. are cultivated

ONAGRACEAE

Ludwigia leptocarpa (Nutt.) Hara

Oenothera sp. ? *O. stricta* Ledeb.

HALORAGACEAE

Myriophyllum spicatum L.

ARALIACEAE

Cussonia arenicola Strey

APIACEAE (Umbelliferae)

Hydrocotyle bonariensis Lam.

Centella asiatica (L.) Urban

Pimpinella caffra (Eckl. & Zeyh.) D. Dietr.

PLUMBAGINACEAE

Plumbago zeylanica L.

SAPOTACEAE

Sideroxylon inerme L.

Mimusops caffra E. Mey. ex DC.

Manilkara concolor (Harv. ex C.H.Wr.)

Gerstner

M. discolor (Sond.) J.H. Hemsl.

EBENACEAE

Euclea natalensis DC.

E. schimperi (DC.) Dandy var. *daphnoides* (Hiern) de Wint.

E. undulata Thunb.

Diospyros inhacaensis F. White

D. rotundifolia Hiern

OLEACEAE

Olea africana Mill.

SALVADORACEAE

Azima tetracantha Lam.

LOGANIACEAE

Strychnos henningsii Gilg

S. madagascariensis Poir.

S. spinosa Lam.

GENTIANACEAE

Sebaea sp.? *S. longicaulis* Schinz (flowers rather old)

APOCYNACEAE

Carissa bispinosa (L.) Desf. ex Brenan var. *bispinosa*
C. macrocarpa (Eckl.) DC.
Landolphia kirkii R.A.Dyer
L. petersiana (Klotzsch) R.A.Dyer
Catharanthus roseus (L.) G.Don
Tabernaemontana elegans Stapf

PERIPLOCEAE

Cryptolepis obtusa N.E.Br.

ASCLEPIADACEAE

Asclepias fruticosa L.
A. physocarpa (E.Mey.) Schltr.
Cynanchum ellipticum (Harv.) R.A.Dyer
C. tetrapterum (Turcz.) R.A.Dyer
C. sp.
Sarcostemma viminale (L.) R.Br.
Secamone filiformis (L.f.) J.H.Ross
Ceropegia sp. cf. *C. sandersonii* Decne. ex Hook.f.
Tylophora sp.

CONVOLVULACEAE

Jacquemontia tamnifolia (L.) Griseb.
Hewittia sublobata (L.f.) Kuntze
Merremia tridentata (L.) Hall.f. subsp. *angustifolia* (Jacq.) van Ooststr.
Ipomoea albivenia (Lindl.) Sweet
I. ficifolia Lindl.
I. magnusiana Schinz
I. mauritiana Jacq.
I. pes-caprae (L.) R.Br. subsp. *brasiliensis* (L.) van Ooststr.
I. pes-tigridis L.

BORAGINACEAE

Ehretia petiolaris Lam.
 ? *Tournefortia* sp.
Heliotropium subulatum (Hochst. ex DC.) Vatke

VERBENACEAE

Verbena bonariensis L.
Lantana rugosa Thunb.
Lippia javanica (Burm.f.) Spreng.
Phyla nodiflora (L.) Greene
Priva sp.

Vitex amboniensis Guerke

Avicennia marina (Forsk.) Vierh.

LAMIACEAE (Labiatae)

Plectranthus amboinicus (Lour.) Spreng.
P. verticillatus (L.f.) Druce
Ocimum basilicum L.

SOLANACEAE

Lycium sp. cf. *L. oxycladum* Miers
L. sp.
Solanum goetzii Damm.
S. panduraeforme E.Mey.
S. sodomaeum L.
S. sp.

SCROPHULARIACEAE

Zaluzianskya sp. cf. *Z. lychnidea* Walp.
Torenia thouarsii (Cham. & Schlecht.) Kuntze
Veronica anagallis-aquatica L.
Alectra sessiliflora (Vahl) Kuntze
A. vogelii Benth.
A. sp.
Sopubia cana Harv.
Buchnera sp. aff. *B. glabrata* Benth.
Striga asiatica (L.) Kuntze
S. gesnerioides (Willd.) Vatke ex Engl.
S. sp. cf. *S. junodii* Schinz
S. sp.

BIGNONIACEAE

Tecomaria capensis (Thunb.) Spach

PEDALIACEAE

Sesamum alatum Thonn.
Dicerocaryum senecioides (Klotzsch) Abels

LENTIBULARIACEAE

Utricularia inflexa Forsk. var. *stellaris* (L.f.) P.Tayl.

ACANTHACEAE

Thunbergia sp. ? *T. dregeana* Nees
Phaulopsis imbricata (Forsk.) Sweet
Barleria delagoensis Oberm.
B. gueinzii Sond.
Sclerochiton sp.
Blepharis maderaspatensis (L.) Roth.
Asystasia gangetica (L.) T.Anders.

RUBIACEAE

- Kohautia longifolia* Klotzsch
K. virgata (Willd.) Bremek.
Agathisanthemum bojeri Klotzsch
Pentodon pentandrus (Schumach. & Thonn.) Vatke var. *minor* Bremek.
Oldenlandia affinis (Roem. & Schult.) DC.
O. sp. possibly *O. goreensis* (DC.) Summerh.
Tarenna barbertonensis (Bremek.) Bremek.
T. junodii (Schinz) Bremek.
Enterospermum littorale Hiern.
Xeromphis obovata (Hochst.) Keay
X. rudis (E.Mey. ex Harv.) Codd
Gardenia sp.
Tricalysia capensis (Meisn.) Sim
T. sonderana Hiern
Kraussia floribunda Harv.
Vangueria infausta Burch.
Lagynias lasiantha (Sond.) Bull.
Canthium locuples (K.Schum.) Codd
C. obovatum Klotzsch
C. setiflorum Hiern
C. spinosum (Klotzsch) Kuntze
C. ventosum (L.) S.Moore
Plectroniella armata (K.Schum.) Robyns
Pavetta revoluta Hochst.
P. sp.
Psychotria capensis (Eckl.) Vatke
Hydrophyllax carnosa Sond.
Spermacoce sp.

CUCURBITACEAE

- ? *Zehneria parvifolia* (Cogn.) J.H.Ross
Momordica balsamina L.
Citrullus lanatus (Thunb.) Matsumura & Nakai
Diplocyclos tenuis (Klotzsch) C.Jeffrey
Coccinea rehmannii Cogn.

CAMPANULACEAE

(NOTE: research is being done on this family at present)

- ? *Wahlenbergia androsacea* DC.
W. undulata DC.

LOBELIACEAE (sometimes included in Campanulaceae)

- Lobelia sp.* ? *L. senegalensis* DC.

GOODENIACEAE

- Scaevola thunbergii* Eckl. & Zeyh.

ASTERACEAE (Compositae)

- Euthulia conyzoides* L.
Vernonia aurantiaca (O.Hoffm.) N.E.Br.
V. centaurioides Klatt
V. sp.
Nidorella resedifolia DC.
N. sp.
Conyza canadensis (L.) Cronq.
C. ulmifolia (Burm.f.) Kuntze
Chrysocoma tenuifolia Berg.
Brachylaena discolor DC. subsp. *discolor*
Blumea cafra (DC.) O.Hoffm.
B. mollis (D.Don) Merr.
Gnaphalium pensylvanicum Willd.
G. septentrionale (Vatke) Hilliard
G. undulatum L.
Helichrysum argyrosphaerum DC.
H. candolleianum Buck.
H. decorum DC.
H. kraussii Sch. Bip.
H. longifolium DC.
H. stenopterum DC.
H. sp. aff. H. setosum Harv.
Acanthospermum hispidum DC.
Parthenium hysterophorus L.
Eclipta prostrata (L.) L.
Helianthus a.gophyllus Torrey & Gray
Melanthera biflora (L.) Wild
M. scandens (Schumach. & Thonn.) Roberty subsp. *dregei* (DC.) Wild
Bidens biternata (Lour.) Merr. & Sherff
B. pilosa L.
Crassocephalum bojeri (DC.) Robyns
Cineraria pinnata O.Hoffm.
C. sp.
Senecio barbertonicus Klatt
S. deltoideus Less.
S. helminthioides (Sch.Bip.) Hilliard
S. madagascariensis Poir.
S. ngoyanus Hilliard
S. transvaalensis Bol.
Chrysanthemoides monilifera (L.) T.Norl. subsp. *rotundata* (DC.) T.Norl.
Arctotheca populifolia (Berg.) T.Norl.
Gazania krebsiana Less. subsp. *serrulata* (DC.) Roessler
G. rigens (L.) Gaertn. var. *uniflora* (L.f.) Roessler.
Launaea sarmentosa (Willd.) Sch.Bip. ex Kuntze
Sonchus gigas Boulos ex Humbert
S. oleraceus L.